

ALIGNING DATA STREAMS

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ABSTRACT

5 The invention aligns two wide-bandwidth, high resolution data streams, in a manner that retains the full bandwidth of the data streams, by using magnitude-only spectrograms as inputs into the cross-correlation and sampling the cross-correlation at a coarse sampling rate that is the final  
10 alignment quantization period. The invention also enables selection of stable and distinctive audio segments for cross-correlation by evaluating the energy in local audio segments and the variance in energy among nearby audio segments.